

Listing of Claims

1. (Original) An absorbent article, comprising:

a cover layer comprising a user facing surface and a bottommost surface, wherein the user facing surface has ink indicia imprinted thereon with surfactant and/or a botanical extract;
and

a sorbent layer disposed between the cover layer and the bottommost surface.
2. (Original) The absorbent article of Claim 1 that comprises a cover material that is apertured by a method of vacuum aperturing, pin aperturing, hydroentanglement, ultrasonic and a combination thereof.
3. (Original) The absorbent article of Claim 2, wherein the apertured cover layer comprises a tapered opening surrounding each aperture and extending from the user-facing surface to the bottommost surface.
4. (Original) The absorbent article of Claim 1, wherein the indicia comprises an ink that has a second surfactant.
5. (Original) The absorbent article of Claim 1, wherein the indicia is comprises an ink that has a second botanical extract.
6. (Original) The absorbent article of Claim 1, wherein the surfactants are at about 0.1 weight percent to about 3 weight percent of a total weight of the cover layer.
7. (Original) The absorbent article of Claim 1, wherein the botanical extracts are at about 0.01 weight percent to about 30 weight percent of a total weight of the cover layer.
8. (Original) The absorbent article of Claim 1, wherein the cover layer comprises a polyolefin.
9. (Original) The absorbent article of Claim 1, wherein the surfactant comprise a hydrophilic-lyophilic balance number greater than or equal to about 10.
10. (Original) The absorbent article of Claim 2, wherein the apertured cover layer has an open area of about 5 percent to about 35 percent relative to the total area of the cover layer.
11. (Original) The absorbent article of Claim 1, wherein the surfactant is non-ionic.

12. (Original) The absorbent article of Claim 1, wherein the botanical extracts are selected from the group consisting of chamomile, aloe vera, jojoba, sunflower oil, citric oils, carrot oil, avocado oil, almond oil, cotton extract, vitamin extracts, and a combination comprising at least one of the foregoing extracts.

13. (Original) The absorbent article of Claim 1, wherein the cover layer has been macroembossed.

14. (Original) The absorbent article of Claim 1, wherein the cover layer is bonded to an under layer comprising a material selected from the group consisting of a thermally carded web, thru air bonded web, spunlace material, apertured film, foam, and a combination comprising at least one of the foregoing materials.

15. (Original) The absorbent article of Claim 1, wherein the cover layer is bonded to an under layer that is treated with a surfactant and/or a botanical extract.

16. (Original) The absorbent article of Claim 1, wherein the ink indicia comprises a particulate-type ink.

17. (Withdrawn) A process for forming a cover layer of an absorbent article, comprising:

imprinting a user facing surface of a polymeric film with an ink to form indicia thereon;

forming apertures in the polymeric film, wherein the apertures form a protuberance having a tapered profile extending from the user facing surface to a bottom surface; and

treating the user facing surface with a surfactant and/or a botanical extract.

18. (Withdrawn) The process of Claim 17, wherein the polymeric film comprises a polyolefin.

19. (Withdrawn) The process of Claim 17, wherein forming apertures in the cover layer further comprises a vacuum aperturing process comprising:

heating a polymeric film to a softening temperature of less than about 400°C;

feeding the heated film onto a molding sheet, wherein the molding element comprises a plurality of perforations in fluid communication with a pump;

applying a vacuum between the molding element and the polymeric film causing portions of the polymeric film to flow into the plurality of perforations in the molding element to form the apertures; and

cooling the film.

20. (Withdrawn) The process of Claim 17, wherein the botanical extracts are selected from the group consisting of chamomile, aloe vera, jojoba, sunflower oil, citric oils, carrot oil, avocado oil, almond oil, cotton extract, vitamin extracts, and a combination comprising at least one of the foregoing extracts.

21. (Withdrawn) The process of Claim 17, wherein the surfactant is present in an amount of about 0.1 weight percent to about 3 weight percent of a total weight of the polymeric film, and the botanical extract is present in an amount of in about 0.01 weight percent to about 30 weight percent of a total weight of the polymeric film.

22. (Withdrawn) A feminine care product, comprising:

a cover layer containing a cover material and indicia imprinted thereon, wherein the indicia is formed from an ink comprising a surfactant and/or a botanical extract in an amount effective to increase the absorptive properties of bodily exudates into the cover layer as compared to the cover layer without the surfactant and/or botanical extract;

a liquid impervious bottom layer bonded to the cover layer; and

a sorbent core intermediate the cover layer and the bottom layer.

23. (Withdrawn) The feminine care product of Claim 22, further comprising the surfactant at an amount of about 0.1 to about 3 weight percent based on the total weight of the cover layer.

24. (Withdrawn) The feminine care product of Claim 22, further comprising the botanical comprises at an amount of about 0.01 to about 30 weight percent based on the total weight of the cover layer.

25. (Withdrawn) The feminine care product of Claim 22, wherein the surfactant is non-ionic.

26. (Withdrawn) The feminine care product of Claim 22, wherein the ink indicia comprises a particulate-type ink.